

Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 07.11.2025

Version number 2.00 (replaces version 1.00)

Revision: 11.09.2024

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: **CLASSIC MEDUNA PT 5W-20 F**

1.2 Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

Application of the substance / the mixture Motor Oil

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

CLASSIC Schmierstoff GmbH & Co. KG

Lange Straße 100-106

D-27318 HOYA

GERMANY

Phone: +49 (4251) - 8120

products@classic-oil.de

Further information obtainable from: product management

1.4 Emergency telephone number: 24-hour emergency contact number : +1 872 5888271 (CSG)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

The product is not classified, according to the CLP regulation.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 Void

Hazard pictograms Void

Signal word Void

Hazard statements Void

Additional information:

Safety data sheet available on request.

2.3 Other hazards

Results of PBT and vPvB assessment

Contains no PBT/vPvB substances $\geq 0.1\%$, assessed according to REACH Annex XIII

PBT: Not applicable.

vPvB: Not applicable.

Determination of endocrine-disrupting properties

The mixture does not contain substances listed for endocrine disrupting properties in accordance with REACH Article 59(1) or has been determined not to contain substances with endocrine disrupting properties in a concentration equal to or greater than 0.1% in accordance with the criteria set out in Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Highly refined mineral oils and additives.

Dangerous components:

CAS: 64742-54-7 EINECS: 265-157-1 Reg.nr.: 01-2119484627-25	Distillates (petroleum), hydrotreated heavy paraffinic (Note L) ⚠ Asp. Tox. 1, H304	50-80%
	Mixture of mineral oils * (*)(Note L) ⚠ Asp. Tox. 1, H304	2.5-10%
CAS: 125643-61-0 ELINCS: 406-040-9 Reg.nr.: 01-0000015551-76	A mixture of isomers of: C7-9-alkyl-3-(3,5-di-trans-butyl-4-hydroxyphenyl)propionate Aquatic Chronic 4, H413	0.3-2.5%

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Additional information:

* contains one or more of the following CAS-numbers (REACH registration numbers):

64741-88-4 (01-2119488706-23), 64741-89-5 (01-2119487067-30), 64741-95-3 (01-2119487081-40), 64741-96-4 (01-2119483621-38), 64741-97-5 (01-2119480374-36), 64742-01-4 (01-2119488707-21), 64742-52-5 (01-2119467170-45), 64742-53-6 (01-2119480375-34), 64742-54-7 (01-2119484627-25), 64742-55-8 (01-2119487077-29), 64742-56-9 (01-2119480132-48), 64742-57-0 (01-2119489287-22), 64742-62-7 (01-2119480472-38), 64742-65-0 (01-2119471299-27), 64742-71-8 (01-2119485040-48), 72623-85-9 (01-2119555262-43), 72623-86-0 (01-2119474878-16), 72623-87-1 (01-2119474889-13), 74869-22-0 (01-2119495601-36)

The highly refined mineral oil contains <3% (w/w) DMSOextract, according to IP346.

Note L : The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346 'Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions - Dimethyl sulphoxide extraction refractive index method', Institute of Petroleum, London. This note applies only to certain complex oil-derived substances in Part 3. For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information: If you feel unwell, seek medical advice.

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact: Wash skin with plenty of water.

After eye contact: Rinse eyes with water as a precaution.

After swallowing: Call a poison center or a doctor if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms/effects after inhalation : Although no relevant human or animal toxicity data are known, this product is expected to present an inhalation hazard.

4.3 Indication of any immediate medical attention and special treatment needed

Symptomatic treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents: Water spray. Dry powder. Foam. Carbon dioxide.

For safety reasons unsuitable extinguishing agents: Water with full jet

5.2 Special hazards arising from the substance or mixture

Fire hazard: Flammable liquid.

Explosion hazard: No direct explosion hazard

Hazardous decomposition products in case of fire: Possible release of toxic fumes. Hazardous carbon monoxide, carbon dioxide and other toxic gases are released in case of incomplete combustion.

5.3 Advice for firefighters

Protective equipment:

Extinguishing instructions : Fight fire from a sheltered position at a safe distance. Do not enter fire area without adequate protective equipment, including respiratory protection.

Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus.

Complete protective clothing.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Eliminate leaks if possible without risk. If the product enters the sewage system or public waters, notify the authorities. Take up spillages to avoid material damage.

Ventilate spillage area.

Do not attempt to take action without suitable protective equipment.

Wear protective equipment. Keep unprotected persons away.

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For emergency responders

Personal protection

Do not attempt to operate without suitable protective equipment.

6.2 Environmental precautions:

Avoid release to the environment.

Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

Methods for cleaning up: Take up liquid spill into absorbent material.

Other information: Dispose of materials or solid residues at an authorized site.

For containment: Soak up spilled/leaked product with sand or earth. Contain the spill or absorb it with liquid-binding material to prevent it from entering the sewerage system or watercourses. Stop the spill if it can be done safely.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Provide good ventilation in process area to prevent formation of vapour.

Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

Information about fire - and explosion protection: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Keep container closed when not in use. Keep in a cool, well-ventilated place away from heat.

Storage temperature : 0 – 40 °C

Information about storage in one common storage facility: Not required.

Further information about storage conditions:

Keep/Store only in original container.

Storage temperature: 0 - 40 °C

Storage class: 10

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

Oil vapors and oil mist

Long-term value 5mg/m³

Short-term value 10mg/m³

Additional information: The safety data sheet of the pre-supplier served as the basis for the creation.

8.2 Exposure controls

Appropriate engineering controls Ensure good ventilation of the work station.

Individual protection measures, such as personal protective equipment

General protective and hygienic measures:

Wear suitable protective clothing.

Wash hands before breaks and at the end of work.

Respiratory protection: Use suitable respiratory protective device in case of insufficient ventilation.

Hand protection

Protective gloves according to EN 374.

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The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

Nitrile rubber, NBR

Recommended thickness: > 0.35 mm.

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

>480min

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye/face protection

Safety glasses

EN 166

Body protection: Wear suitable protective clothing.

Thermal hazards Not known.

Environmental exposure controls Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Physical state

Liquid

Colour:

Brown

Odour:

Characteristic

Odour threshold:

Not determined.

Melting point/freezing point:

Undetermined.

Boiling point or initial boiling point and boiling range

Undetermined.

Flammability

Not applicable.

Lower and upper explosion limit

Lower:

Not determined.

Upper:

Not determined.

Flash point:

218 °C (ASTM D92 (COC))

Decomposition temperature:

Not determined.

pH

Not determined.

Viscosity:

Kinematic viscosity at 40 °C

42.6 mm²/s (ASTM D7279)

Dynamic:

Not determined.

Solubility

water:

Not miscible or difficult to mix.

Partition coefficient n-octanol/water (log value)

Not determined.

Vapour pressure:

Not determined.

Density and/or relative density

Density at 15 °C:

0.851 g/cm³ (ASTM D4052)

Relative density

Not determined.

Vapour density

Not determined.

Particle characteristics

Does not apply to liquids.

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9.2 Other information

Appearance:

Form: Fluid

Important information on protection of health and environment, and on safety.

Ignition temperature:

Product is not selfigniting.

Explosive properties:

Product does not present an explosion hazard.

Solvent content:

VOC (EC)

0 %

Change in condition

Drip point:

Pour point

-36 °C (ASTM D5950)

Evaporation rate

Not determined.

Information with regard to physical hazard classes

Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

SECTION 10: Stability and reactivity

10.1 Reactivity The product is non-reactive under normal conditions of use, storage and transport.

10.2 Chemical stability

Information on the shelf life

The product is chemically stable under the recommended storage, use and temperature conditions.

10.3 Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use. Reacts violently with (strong) oxidizers.

10.4 Conditions to avoid None under recommended storage and handling conditions.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products: No decomposition if stored normally.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (Oral) : Not classified

Acute toxicity (Dermal) : Not classified

Acute toxicity (inhalation) : Not classified

Acute toxicity Based on available data, the classification criteria are not met.

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LD/LC50 values relevant for classification:

CAS: 64742-54-7 Distillates (petroleum), hydrotreated heavy paraffinic (Note L)

Oral	LD50 oral	>5,000 mg/kg (Rat)
Dermal	LD50 dermal	>2,000 mg/kg (rabbit)
Inhalative	LC50/4h	>5.53 mg/l (Rat)

Mixture of mineral oils * (*)(Note L)

Oral	LD50 oral	>5,000 mg/kg (Rat) Data from similar product
Dermal	LD50 dermal	>5,000 mg/kg (rabbit) Data from similar product
Inhalative	LC50/4h	>5 mg/l (Rat) Data from similar product

CAS: 125643-61-0 A mixture of isomers of: C7-9-alkyl-3-(3,5-di-trans-butyl-4-hydroxyphenyl)propionate

Oral	LD50 oral	>2,000 mg/kg (Rat) (OECD Guideline 401)
Dermal	LD50 dermal	>2,000 mg/kg (Rat) (OECD Guideline 402)

Primary irritant effect:

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/irritation Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity Based on available data, the classification criteria are not met.

STOT-single exposure Based on available data, the classification criteria are not met.

STOT-repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard Based on available data, the classification criteria are not met.

11.2 Information on other hazards

Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

Ecology - general: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short-term (acute): Not classified

Hazardous to the aquatic environment, long-term (chronic): Not classified

CAS: 64742-54-7 Distillates (petroleum), hydrotreated heavy paraffinic (Note L)

NOEC	10 mg/L /(21d) (Daphnia magna) ((OECD Guideline 211))
NOEC (acute)	≥100 mg/l /(72h) (Pseudokirchnerella subcapitata) (OECD 201)
EC50	>10,000 mg/L /(48h) (Gammarus pulex) (OECD 202)
EC50 72h algae 1	>100 mg/l (algae)
LC50	>100 mg/L /(96h) (Pimephales promelas) (OECD 203)

Mixture of mineral oils * (*)(Note L)

NOEC chronic algae	>10 mg/l /(21d) (Daphnia magna)
NOEC chronic	>10 mg/l (Crustacean)
EC50	>10,000 mg/L (crustaceans) Data from similar product

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EC50 72h algae 1	>100 mg/l Data from similar product
LC50	>100 mg/L (Fish) Data from similar product
CAS: 125643-61-0 A mixture of isomers of: C7-9-alkyl-3-(3,5-di-trans-butyl-4-hydroxyphenyl)propionate	
NOEC (acute)	≥3 mg/l /(72h) (Desmodesdus subspicatus) (OECD 201)
EC50	>100 mg/L /(48h) (Daphnia magna) (OECD 202)
EC50 72h algae 1	>3 mg/l /(72h) (Desmodesdus subspicatus) (OECD 201)
LC50	>74 mg/L /(96h) (Danio rerio) (OECD 203)

12.2 Persistence and degradability

CAS: 64742-54-7 Distillates (petroleum), hydrotreated heavy paraffinic (Note L)

Biological degradation 31 % /(28d) (OECD method 301F)

CAS: 125643-61-0 A mixture of isomers of: C7-9-alkyl-3-(3,5-di-trans-butyl-4-hydroxyphenyl)propionate

Persistence and degradability The product is not readily biodegradable.

**Mixture of mineral oils *
(*)(Note L)**

Biological degradation Not rapidly degradable.

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Biological degradation Not readily biodegradable

12.3 Bioaccumulative potential

CAS: 125643-61-0 A mixture of isomers of: C7-9-alkyl-3-(3,5-di-trans-butyl-4-hydroxyphenyl)propionate

Bioconcentration factor (BCF REACH) 260 /(35d) (Oncorhynchus mykiss) (OECD 305)

Partition coefficient n-octanol/water 9.2

12.4 Mobility in soil

CAS: 125643-61-0 A mixture of isomers of: C7-9-alkyl-3-(3,5-di-trans-butyl-4-hydroxyphenyl)propionate

Ecology - soil The product is little adsorbed by the soil.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects

Additional ecological information:

General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation

Do not allow to enter drains or watercourses. Dispose of contents/container in accordance with the sorting instructions of the authorised collector.

European waste catalogue

13 02 06* synthetic engine, gear and lubricating oils

Uncleaned packaging:

Recommendation:

Do not reuse empty containers.

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Disposal must be made according to official regulations.

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SECTION 14: Transport information

14.1 UN number or ID number
ADR, IMDG, IATA not regulated

14.2 UN proper shipping name
ADR, IMDG, IATA not regulated

14.3 Transport hazard class(es)
ADR, ADN, IMDG, IATA
Class not regulated

14.4 Packing group
ADR, IMDG, IATA not regulated

14.5 Environmental hazards: Not applicable.

14.6 Special precautions for user Not applicable.

14.7 Maritime transport in bulk according to IMO instruments Not applicable.

UN "Model Regulation": not regulated

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Labelling according to Regulation (EC) No 1272/2008 Void

Hazard pictograms Void

Signal word Void

Hazard statements Void

Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.

REGULATION (EU) 2019/1021 on persistent organic pollutants (POP)

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants.

REGULATION (EC) No 1907/2006 ANNEX XVII

Distillates (petroleum), solvent-dewaxed heavy paraffinic: 3(b)

Reaction mass of isomers of C7-9-alkyl-3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate: 3(c)

Regulation (EU) No 649/2012

Contains no substance subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals.

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

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Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

REGULATION (EU) 2024/590 on substances that deplete the ozone layer

Does not contain substances listed on the Ozone Depletion List (Regulation EU 2024/590 on substances that deplete the ozone layer).

National regulations:

Breakdown regulations: This product is not subject to the German Hazardous Incident Ordinance.

Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H304 May be fatal if swallowed and enters airways.

H413 May cause long lasting harmful effects to aquatic life.

Department issuing SDS: product management

Version number of previous version: 1.00

Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4

Sources The safety data sheet of the pre-supplier served as the basis for the creation.

*** Data compared to the previous version altered.**